

### **FIELD REPLACEABLE SPARES (MH 357)**

The level of field replaceable spares to be established in FY 64 was determined as follows:

1. The Reliability Department determined the failures per hour per device using data from the Equipment Log Cards.
2. The number of systems in operation - 4.
3. Total operating hours - 2000
4. Turn-around-time - 2 months.
5. Expected failures = Failures/hour/unit X operating hours/system/month X number of systems X turn-around-time.
6. When the expected failures had been determined a Poisson Chart was used to determine the number of spares. The quantity selected from the Poisson Chart was such that would insure to within 90% that a spare would be available each time one was required.

The attached chart shows each device by part number the failures/hour/unit, expected failures, spares level, quantity on hand, and FY 64 requirements.

<u>Device</u>	<u>Failures/hour/ Unit</u>	<u>Expected Failures</u>	<u>Spares Level</u>	<u>Qty on Hand</u>	<u>FY 64 Req.</u>
913488	.0006847	1.4	1	0	1
905069	.0002567	.5	1	0	1
905269	.0016262	3.3	2	0	2
910019	.0017118	3.7	2	0	2
905156-1	.0030814	6.2	2	0	2
906174	.0000814	0.2	1	0	1
906176	.0003423	.7	1	0	1
905405	.0031669	6.3	3	0	3
917983-1	.0001718	.3	1	0	1
905457	.0002567	.5	1	0	1
905334	.0004279	.9	1	0	1
915964	.0023966	4.8	2	0	2
912219	.0005135	1.0	1	0	1
904796	.0005991	1.2	1	0	1
915525	.0005135	1.0	1	0	1
905686-1	.0004279	.9	1	0	1
914481	.0009415	1.9	1	0	1
904646	.0000855	.2	1	0	1
904642	.0004279	.9	1	0	1
904800	.00014	.3	1	0	1
904801	.00014	.3	1	0	1
904802	.00014	.3	1	0	1
904640-1	.00056	1.3	1	0	1
904640-2	.00056	1.3	1	0	1
904640-4	.00056	1.3	1	0	1
DGG8001B3	.00188	3.6	4	2	5*
DGG116A3	.00083	1.7	3	0	6*

\* Includes 3 for spare platform

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